Grid-Connected PV Capacity (kW) Installed in California

California Energy Commission*	36,723
California Public Utilities Commission*	17,999
Sacramento Municipal Utility District	11,410
Los Angeles Department of Water and Power	9,509
Pre-1998	1,918
City of Riverside Public Utilities	389
City of Anaheim Public Utilities	296
City of Palo Alto Utilities	266
City of Roseville Electric	115
City of Pasadena Water and Power	84
City of Santa Clara Electric Utility	54
City of Ukiah Public Utilities	20
City of Glendale Water and Electric	19
Pacific Power	19
City of Redding Electric Utility	8
City of Burbank Water and Power	7
City of Alameda Power and Telecom	5
City of Lodi Electric Utility	4

TOTAL 78,844 kW

78.84 MW

This analysis tracks the capacity of grid-connected PV installations in California from 1981 until the present. The vast majority of the early installations can be attributed to the work done by the Sacramento Municipal Utility District (SMUD). Beginning in 1998, the Energy Commission's Emerging Renewables ("Buydown") Program began offering rebates for grid-connected "emerging" systems in the service territories of the three largest Investor Owned Utilities (IOUs) - PG&E, SCE and SDG&E. In 2001, the Public Utilities Commission began the Self-Generation Incentive Program. The "Self-Gen" Program also offers rebates, but the program is administered by the utilities (PG&E, SCE, SDG&E and SCGC) directly. The Los Angeles Department of Water and Power (LADWP), as well as many of the smaller utilities, offer their own incentive programs.

^{*} The Energy Commission's Emerging Renewables Program is open to the ratepayers of PG&E, SCE and SDG&E. The Public Utilities Commission's Self-Generation Incentive Program is open to the ratepayers of PG&E, SCE, SDG&E and the SCGC.

Grid-Connected PV Capacity Installed in California

YEAR

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total	
Program																										
Sacramento Municipal Utility Distric	٥	0		1.230		1.230	0	0	0	0	0	23	495	675	561	421	405	236	1.220	1.446	1.679	1.390	363	36	11,410	
California Energy Commission	0	0			. 0	0,200	0	0	0	0	0	0	0	0.0	0		0	181	619	726	4.034	8,102	12.273	10.789	36.723	
Pacific Gas and Electric	0	0) (. 0	0	0	0	0	0	0	0	0	0	0	0	0	61	360	487	2,041	4,951	7,415	6,664		21,979
Southern California Edisor	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	120	250	133	1,118	2.108	3,158	2.787		9,674
San Diego Gas and Electric	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	106	866	1.042	1.675	1.337		5,037
Bear Valley Electric	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	24	0		33
Los Angeles Department of Water and Power	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	432	589	2,573	3,829	1,984	9,509	
California Public Utilities Commission																					0	1,889	9,928	6,183	17,999	
Pacific Gas and Electric	0	0	1) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,671	4,208	3,980		9,859
Southern California Edisor	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	2,649	1,348		4,111
San Diego Gas and Electric	0	0	1) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	1,971	855		2,899
***Southern California Gas Company	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	1,100	0		1,130
Pre-1998	37	38	11	12	15	63	-	4	59	15	17	477	806	(336)	(250)	378	110	464	-	-	-	-	-	-	1,918	
City of Palo Alto Utilities	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	98	73	40	23	266	
City of Santa Clara Electric Utility	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	34	14	4	0	54	
City of Pasadena Water and Power	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	0	0	84	
City of Burbank Water and Power	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	3	0	0	7	
City of Anaheim Public Utilities	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	17	107	50	20	296	
City of Redding Electric Utility	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	7	8	
City of Glendale Water and Electric	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	19	
City of Riverside Public Utilities	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	15	214	10	389	
City of Roseville Electric	0	0) (-	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	44	62	0	115	
Pacific Power	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	9	0	0	19	
City of Alameda Power and Telecom	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	0	0	5	
City of Ukiah Public Utilities	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	8	0	20	
City of Lodi Electric Utility	0	0) (0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	
TOTAL	37	38		1 1,242			0	4	59	15	17	500	1,301	339	311	799	515	885	1,970	2,724	6,615	14,335	26,770	19,052	78,844	
Cumulative Total	37	75	8	1,328	1,342	2,635	2,635	2,639	2,698	2,713	2,730	3,230	4,530	4,869	5,180	5,980	6,494	7,379	9,349	12,073	18,688	33,022	59,792	78,844		

NOTES

* The Energy Commission's Emerging Renewables Program is open to the ratepayers of PG&E, SCE and SDG&E. The Public Utilities Commission's Self-Generation Incentive Program is open to the ratepayers of PG&E, SCE, SDG&E and the SCGC.

** The 2004 data is current as of 6/30/04.

*** The Southern California Gas Company (SCGC) has paid on over 4 MW of PV. However, the Gas Company has overlapping territory with several electric utilities that are reporting on the same projects. For projects that have participated in multiple programs with the Gas Company, the totals will be reported by electric utilities. Projects that have only participated in the Gas Company rebate program will be reported under the Gas Company header.

"Pre-1998" Row: These numbers were derived by subtracting the total kW installed by SMUD each year from the totals contained in Appendix A of the 2001 EPRI Report titled "California Renewable Technology Market and Benefits Assessment." In some years, there is a negative number. This obviously did not happen. To be consistent with the EPRI data, it was decided to keep the negative number rather than make more assumptions. Similarly, when determining the number of systems by year, the results showed negative numbers. Again, to be consistent with the EPRI data, it was decided to keep the negative number rather than make more assumptions.

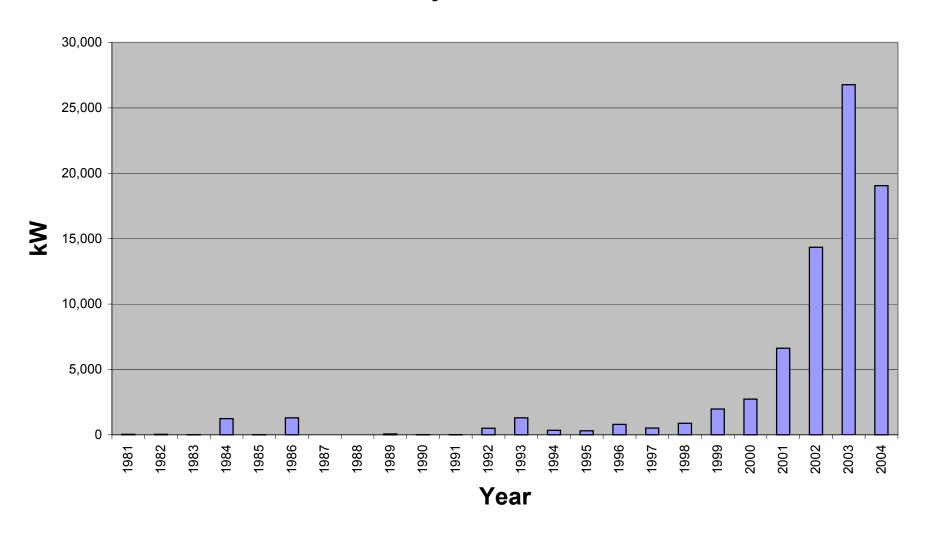
In some cases, the 2002 totals for the smaller utilities reflect the cumulative total of all PV installed, not just the 2002 total.

Many of the utilities contacted had, at one time, a solar rebate program. It is possible other utilities have rebate programs, or other utilities may have installed PV, but those are not accounted for in thi summary.

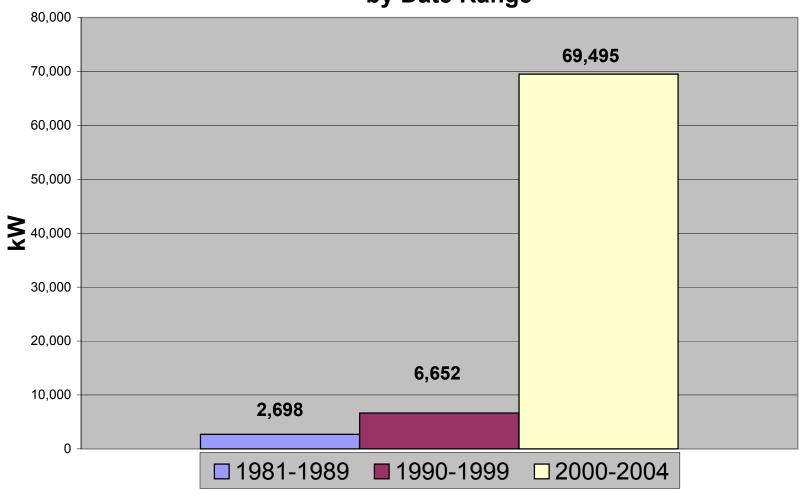
The Energy Commission numbers do not include any Publicly Owned Electric Utility installed systems. The Energy Commission has paid for 343 kW of these systems. However, to avoid double counting, these numbers were subtracted from the yearly totals.

The majority of programs report their watts in PTC. PTC stands for "PVUSA Test Conditions." PTC watt rating is based on 1000 Watt/m2 solar irradiance, 20 degree Celsius ambient temperature, and meter/second wind speed. The PTC watt rating is lower than the "Standard Test Conditions" (STC), a watt-rating used by manufacturers. Known programs that do not use PTC include: Los Angeles Department of Water and Power (STC); City of Riverside Public Utilities (DC output).

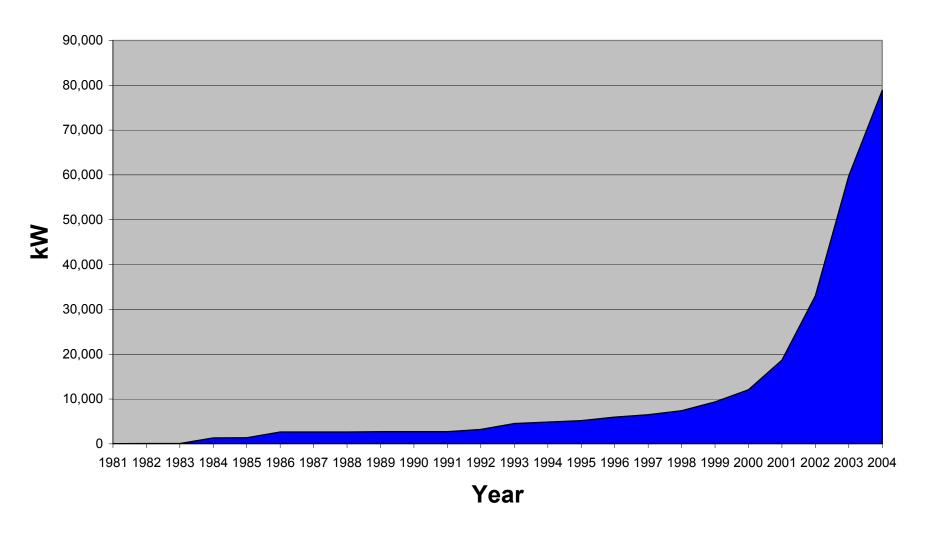
Grid-Connected PV Capacity Installed in California By Year



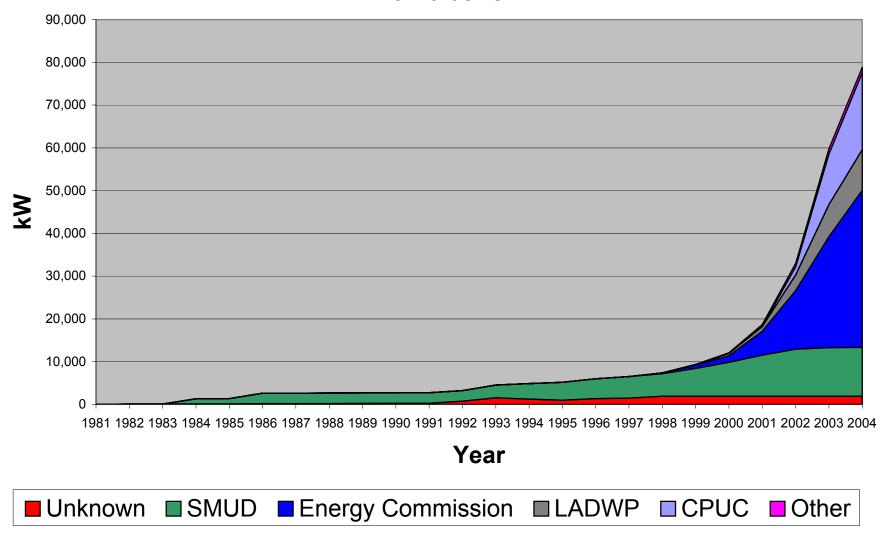
Grid-Connected PV Capacity Installed in California by Date Range



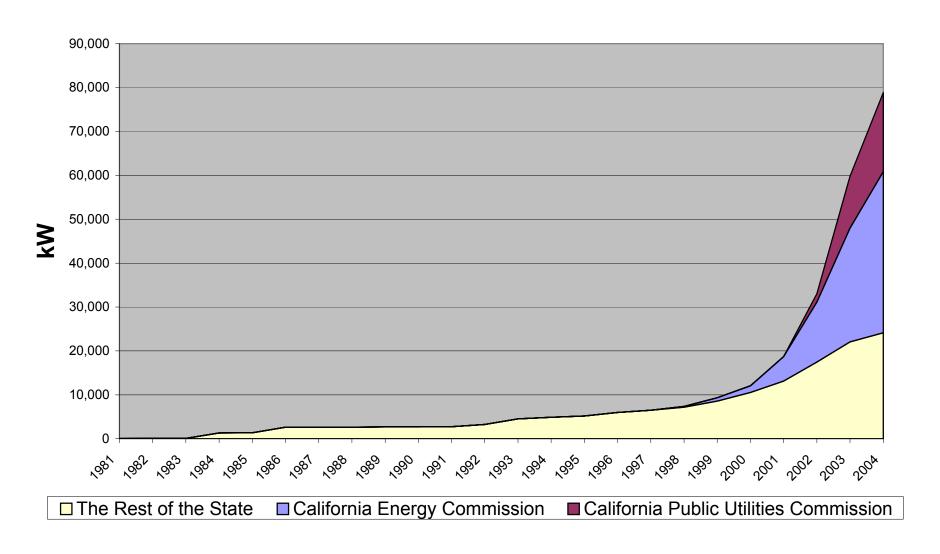
Grid-Connected PV Capacity Installed in California Cumulative



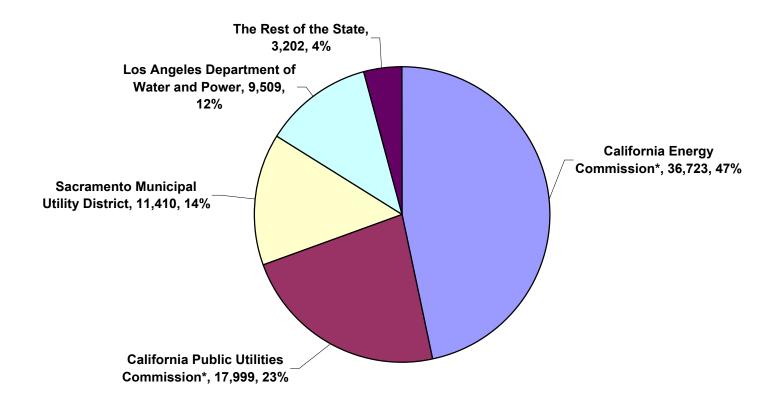
Grid-Connected PV Capacity Installed in California Cumulative



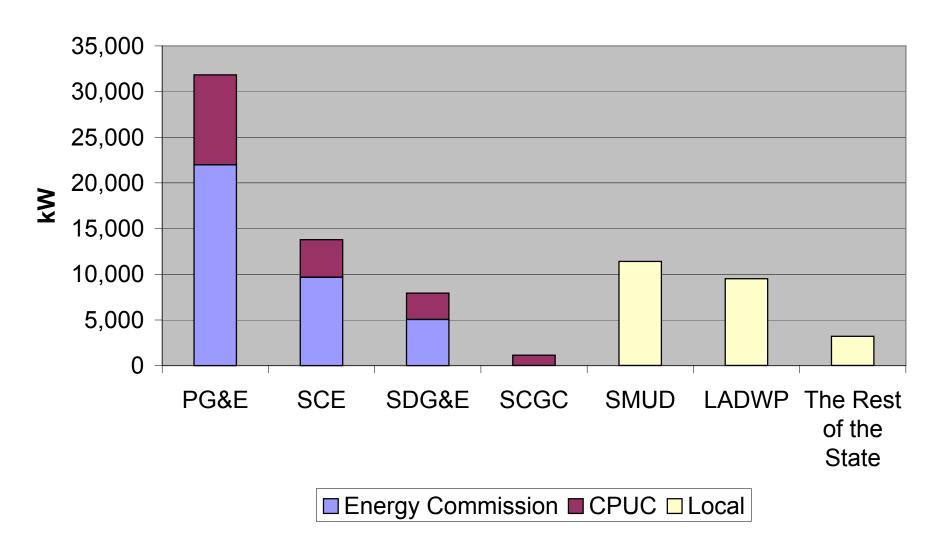
Grid-Connected PV Capacity Installed in California Cumulative



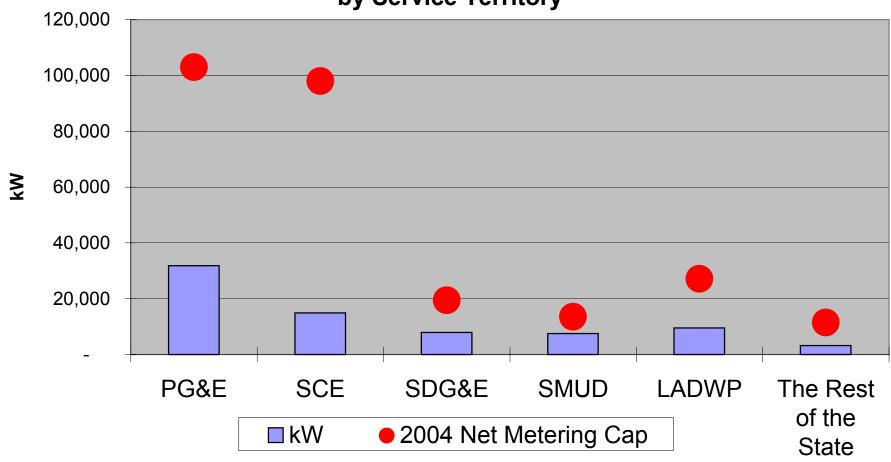
Grid-Connected PV Capacity Installed in California Cumulative, kW



Grid-Connected PV Capacity Installed in California by Service Territory

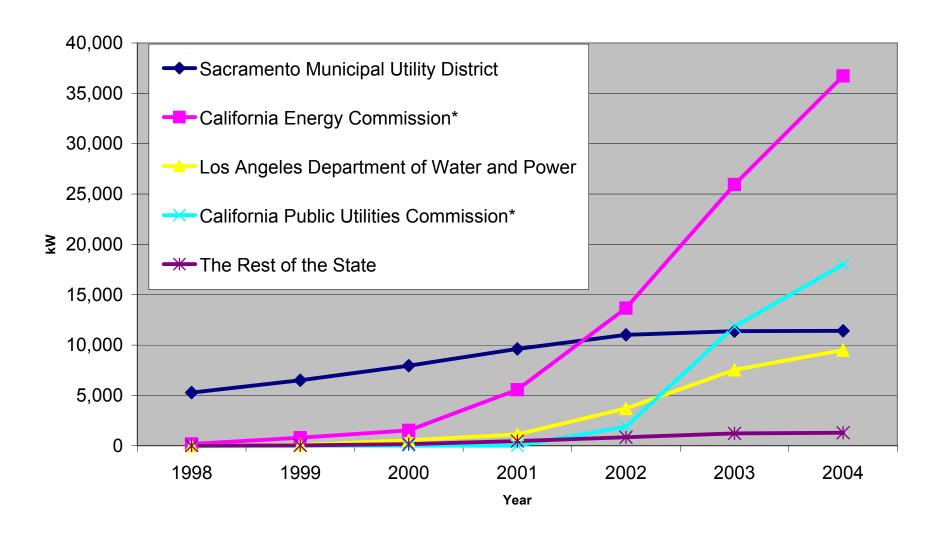


Estimated Net Metering Caps and Grid-Connected PV Capacity Installed in California by Service Territory

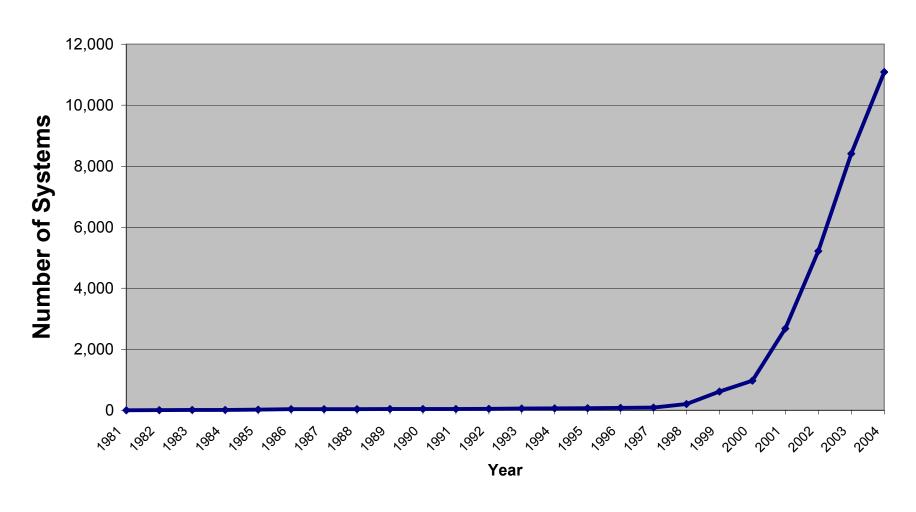


LADWP is exempted from the AB 58 net metering provisions. However, an estimated cap is provided for LADWP as if the cap did apply to them.

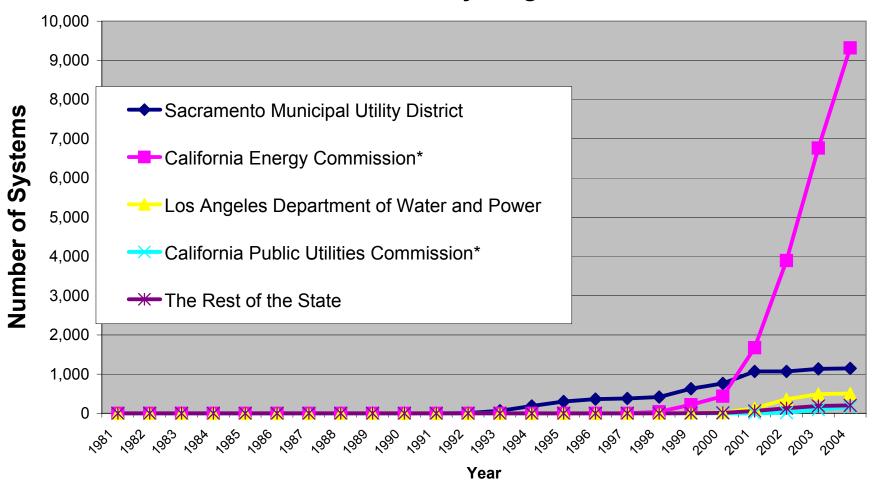
Grid-Connected PV Capacity Installed in California Cumulative kW Installed by Program: 1998 - 2004



Number of Grid-Connected PV Systems Installed In California Cumulative

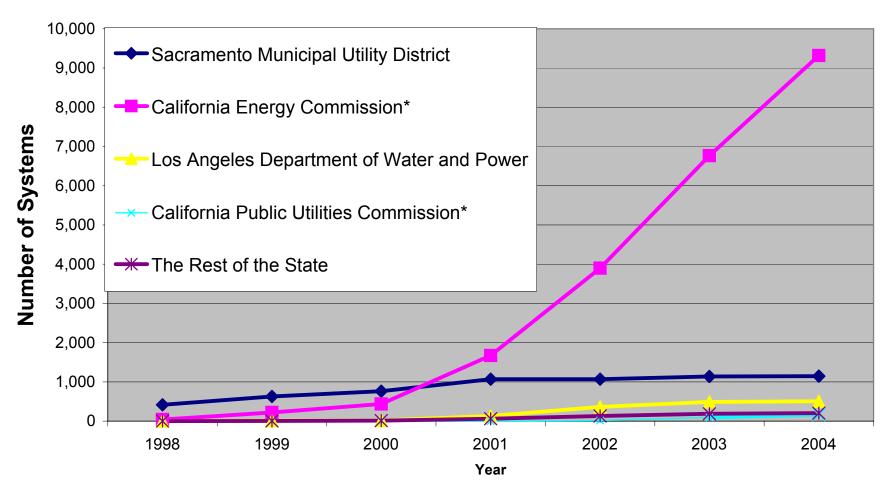


Number of Grid-Connected PV Systems Installed in California Cumulative by Program



Number of Grid-Connected PV Systems Installed in California

Cumulative, by Program, 1998-2004



Grid-Connected PV Program Contacts in California

Program	Contact	Telephone	Email
California Energy Commission*	Dale Trenschel	916-653-2834	Dtrensch@energy.state.ca.us
	Γ		T
California Public Utilities		445 700 0505	
Commission*	John Galloway	415-703-2565	jhg@cpuc.ca.gov
	Dean Heatherington		DAH7@pge.com
	Howard Green	626-302-8436	greenh@sce.com
	Mike Magee	858-244-1177	selfgen@sdenergy.org
SCGC	Marshall Kiyohiro	213-244-5619	selfgeneration@socalgas.com
Sacramento Municipal Utility			I
District	Mike Keese	916-732-5244	MKeesee@smud.org
	L	I.	
Los Angeles Department of Water and Power	Josephine Gonzalez	213-367-3151	josephine.gonzalez@ladwp.com
City of Palo Alto Utilities	Lindsay Joye	650-329-2241	pvpartners@cityofpaloalto.org
only of Faio Anto offices	Linusay Juye	000 020 2241	pyparaticis@cityorpaidatid.org
City of Santa Clara Electric Utility	Leslie Brown	408-244-SAVE	lbrown@ci.santa-clara.ca.us
City of Pasadena Water and Power	Mauricio Mejia	626-744-6970	mmejia@ci.pasadena.ca.us
City of Burbank Water and Power	John Joyce	818-238-3653	jjoyce@ci.burbank.ca.us
City of Anaheim Public Utilities	Dina Predisik	714-765-4182	dpredisik@anaheim.net
City of Redding Electric Utility	Paul Ahern	530-339-7241	pahern@reupower.com
City of Glendale Water and Electric	Ned Bassin	818-548-2748	nbassin@ci.glendale.ca.us
City of Riverside Public Utilities	Atoya Mendez	909-826-5790	amendez@ci.riverside.ca.us
City of Roseville Electric	Pat Morrison	916-774-5624	pmorrison@roseville.ca.us
Pacific Power	Michael Reid	503-813-6052	michael.reid@pacificorp.com
City of Alameda Power and Telecom	Don Rushton	510-748-3946	drushton@alamedapt.com
City of Ukiah Public Utilities	Cindy Sauers	707-463-6295	cindys@cityofukiah.com
City of Lodi Electric Utility	Rob Lechner	209-333-6800 x 2583	rlechner@lodielectric.com

Grid-Connected PV Program Alternate Contacts in California

Program		Contact	Telephone	Email
California Energy Cor	nmission*	Todd Lieberg	916-654-4059	tlieberg@energy.state.ca.us
California Public U	Itilities			
Commission	*	John Galloway	415-703-2565	jhg@cpuc.ca.gov
	PG&E	Sara Burmingham	415-973-5187	sebb@pge.com
	SCE	Mei Wong		Mei.Wong@sce.com
	SDG&E	Nathalie Osborn	858 244-1193	nos@sdenergy.org
!	SCGC	Tony Prietto	213-244-3679	aprieto@semprautilities.com
			•	
Sacramento Municipal L	Itility District	Mike Keese	916-732-5244	MKeesee@smud.org
Los Angeles Departme	nt of Water	Darryl Gordon or	213-367-3250 or	darryl.gordon@ladwp.com or
and Power		Thomas Honles	213-367-3151	thomas.honles@ladwp.com
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City of Palo Alto U	Itilities	Lindsay Joye	650-329-2241	pvpartners@cityofpaloalto.org
City of Santa Clara Ele	ctric Htility	Leslie Brown	408-244-SAVE	lbrown@ci.santa-clara.ca.us
City of Santa Clara Ele	ctric Othity	Lesile Blowii	400-244-3AVE	IDIOWII@CI.Salita-Ciala.Ca.us
City of Pasadena Water	and Power	Mauricio Mejia	626-744-6970	mmejia@ci.pasadena.ca.us
City of Facultina France	4	aao.ooj.a	1020 00. 0	s,a@opaoaaoa.oa.ao
City of Burbank Water	and Power	John Joyce	818-238-3653	jjoyce@ci.burbank.ca.us
City of Anaheim Publ	ic Utilities	Dina Predisik	714-765-4182	dpredisik@anaheim.net
0'' (D E		· · ·	I	
City of Redding Elec	tric Utility	Pam Brady-Koss	530-339-7215	pbradykoss@reddingelectricutility.com
				1
City of Glendale Water	and Floctric	Ned Bassin	818-548-2748	nbassin@ci.glendale.ca.us
Oity of Gleridale Water	and Liectric	Neu Dassiii	010-340-2740	indassin@ci.giendale.ca.us
City of Riverside Pub	lic Utilities	Atoya Mendez	909-826-5790	amendez@ci.riverside.ca.us
		Aloya Wendez	000 020 0:00	amenaez@d.nverside.ea.us
City of Roseville E	lectric	Pat Morrison	916-774-5624	pmorrison@roseville.ca.us
,			I	
Pacific Powe	r	Michael Reid	503-813-6052	michael.reid@pacificorp.com
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City of Alameda Power	and Telecom	Don Rushton	510-748-3946	drushton@alamedapt.com
			1	
City of Ukiah Public	Utilities	Cindy Sauers	707-463-6295	cindys@cityofukiah.com
			1000 000 0000	
City of Lodi Electri	c Utility	Rob Lechner	209-333-6800 x 2583	rlechner@lodielectric.com
Oity of Loui Liectif	o ounty	NOD LECITIES	2000	necimer@lodielectric.com

Graphing Data

YEAR

D	1981	1982	1983	1904	1960	1980	1987	1988 15	199 199	1991	1992	1993	1994	1990	1990	1997	1996	1999	2000	2001	2002	2000	2004	Total
Program																								
Sacramento Municipal Utility District California Energy Commission*	0	0	0	1,230	0	1,230	0	0	0	0 0	23	495	675	561	421	405	236 181	1,220 619	1,446 726	1,679 4.034	1,390 8,102	363 12.273	36 10,789	11,410 36,723
Pacific Gas and Flectric	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	61	360	487	2 041	4 951	7 415	6 664	21.979
Southern California Edison	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	120	250 10	133	1,118	2,108	3,158	2,787	9,674
San Diego Gas and Electric Bear Valley Flectric	0	0	0	0	0	0	0	0		0 0	0		0	0	0	0	0	10	106	10	1,042	1,675	1,337	5,037
Los Angeles Department of Water and Power	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	102	432	589	2,573	3,829	1,984	9,509
California Public Utilities Commission* Pacific Gas and Electric	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	0	0	0	0	1,889	9,928	6,183	17,999 9.859
Southern California Edison	0	0	0	0	0	Ö	0	0		0 0	0		0	0	0	0	0	0	0	0	1,6/1	2,649	1.348	4.111
San Diego Gas and Electric	0	ō	ō	ō	0	ō	ō	ō	0	0 0	ō	ō	ō	ō	ō	ō	0	0	ō	0	74	1,971	855	2,899
***Southern California Gas Company	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	0	0	0	0	30	1,100	0	1,130
Pre-1998 City of Palo Alto Utilities	37 0	38	11	12	15 0	63 0	0	4	59 1	5 17	477 0	806	-336 0	-250 0	378 0	110	464 0	0 16	0 16	0 98	0 73	0 40	0 23	1,918 266
City of Santa Clara Electric Utility	0	0	0	0	0	0	0	0	0	0 0	0	ő	0	0	0	0	0	0	2	34	14	4	0	54
City of Pasadena Water and Power City of Burbank Water and Power	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	0	0	0	0	84	0	0	84 7
City of Burbank Water and Power City of Anaheim Public Utilities	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	0	4	102	0 17	3 107	0 50	0 20	7 296
City of Redding Electric Utility	ő	ő	ő	0	ő	ő	ő	ō		0 0	ő	ő	ő	0	ő	ō	ő	ő	0	0	2	0	7	8 19
City of Glendale Water and Electric	0	0	0	0	0	0	0	0		0 0	0		0	0	0	0	0	0	0	0	19	0	0	19
City of Riverside Public Utilities City of Roseville Electric	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	9	0	150 0	15 44	214 62	10 0	389 115
Pacific Power	ő	ő	ő	0		ő	ő	ō	ō	0 0	ő	ő	ő	0	ő	ō	ő	ő	0	10	9	0	ő	19
City of Alameda Power and Telecom	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	4	0	0	0	1	0	0	5
City of Ukiah Public Utilities City of Lodi Electric Utility	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	12	8	0	20
Cumulative Data (below)					- 0	- 0		- 0	0		- 0	- 0		- 0	- 0	- 0		- 0	- 0	-		- 0	- 0	
Sacramento Municipal Utility District	0	0	0	1,230	1,230				160 2,46		2,483		3,653	4,214	4,635	5,040	5,276	6,496	7,942	9,621	11,011	11,374	11,410	
California Energy Commission*	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	181	800 102	1,526	5,561 1,123	13,662 3,696	25,935 7.525	36,723 9,509	
Los Angeles Department of Water and Power California Public Utilities Commission*	0	0	0	0	0	0	0	0		0 0	0		0	0	0	0	0	102	534	1,123	1,889	7,525 11.817	17 999	
Pacific Gas and Electric	ō	ō	ō	ō	ō	ō	ō	ō	ō	0 0	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	1.671	5.879	9,859	
Southern California Edison	0	0	0	0	0	0	0	0	0	0 0	0		0	0	0	0	0	0	0	0	114	2,763	4,111	
San Diego Gas and Electric ***Southern California Gas Company	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	74 30	2,045	2,899	
Pre-1998	37	75	86	98	112	175	175		238 25			1,552	1,216	966	1,345	1.454	1,918	1,918	1,918	1,918	1,918	1,130	1,130	
City of Palo Alto Utilities	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	16	32	130	203	243	266	
City of Santa Clara Electric Utility City of Pasadena Water and Power	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	2	36 0	50 84	54 84	54 84	
City of Pasadena Water and Power City of Burbank Water and Power	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	0	4	4	4	84	84	7	
City of Anaheim Public Utilities	ō	ō	ō	ō	ō	ō	ō	0	0	0 0	ō	ō	ō	ō	ō	ō	ō	Ó	102	119	226	275	296	
City of Redding Electric Utility	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	0	0	0	0	2	2	. 8	
City of Glendale Water and Electric City of Riverside Public Utilities	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	0	0	0	0 150	19 165	19 379	19 389	
City of Roseville Electric	ō	0	ő	0	ō	ő	ő	0	ō	0 0	ō		ő	ő	0	0	ő	9	9	9	53	115	115	
Pacific Power City of Alameda Power and Telecom	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	0	0	0	10	19	19	115 19 5	
City of Alameda Power and Telecom City of Ukiah Public Utilities	0	0	0	0	0	0	0	0		0 0	0	0	0	0	0	0	4	4	4	4	5 12	5 20	20	
City of Lodi Electric Utility	ő	0	ő	ő	ő	ő	ō	ō		0 0	ő	ő	ő	ő	ő	ō	ő	ő	ő	4	4	4	4	
Total Other	0	0	. 0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	4	33	153	465	846	1.224	1,284	
TOTAL	37	38	11	1,242	15	1,293	0	4	59 1	5 17	500	1,301	339	311	799	515	885	1,970	2,724	6,615	14,335	26,770	19,052	78,844
Cumulative Total	37	75	86	1,242 1,328	15 1,342		0 2,635 2	4 ,639 2,6	59 1 398 2,71	5 17 3 2,730	500 3,230	1,301 4,530	339 4,869			515 6,494	885 7,379				14,335 33,022	26,770 59,792	19,052 78,844	78,844
Cumulative Total		75	86				0 2,635 2	4 1,639 2,6	59 1 398 2,71	5 17 3 2,730	500 3,230	1,301 4,530	339 4,869											78,844
Cumulative Total Total by Year Range	37 1981-1989 1 2,698	75 990-1999 20 6,652	86 00-2004 69,495				0 2,635 2	4 1,639 2,6	59 1 398 2,71	5 17 3 2,730	500 3,230	1,301 4,530	339 4,869											78,844
Cumulative Total Total by Year Range	37 1981-1989 1 2,698 Energy Com C	75 990-1999 20 6,652	86 00-2004 69,495				0 2,635 2	4 1,639 2,6	59 1 398 2,71	5 17 3 2,730	500 3,230	1,301 4,530	339 4,869											78,844
Cumulative Total Total by Year Range PG&E	37 1981-1989 1 2,698 Energy Com C 21,979	75 990-1999 20 6,652 PUC Lo 9,859	86 00-2004 69,495				0 2,635 2	4 2,639 2,6	59 1 398 2,71	5 17 3 2,730	500 3,230	1,301 4,530	339 4,869											78,844
Comutative Total Total by Year Range PGAE SCE SCE SDGAE	37 1981-1989 1 2,698 Energy Com C	75 990-1999 20 6,652 PUC Lo 9,859 4,111 2,899	86 00-2004 69,495				0 2,635 2	4 2,639 2,6	59 1 398 2,71	5 17 3 2,730	500 3,230	1,301 4,530	339 4,869											78,844
Comulative Total Total by Year Range POSE SCE SCE SCE SCE SCE SCE SCE SCE SCE S	37 1981-1989 1 2,698 Energy Com C 21,979 9,674	75 990-1999 20 6,652 PUC Lo 9,859 4,111	86 100-2004 69,495				0 2,635 2	4 ,639 2,6	59 1 398 2,71	5 17 3 2,730	500 3,230	1,301 4,530	339 4,869											78,844
Comulative Total Total by Year Range POSE SOCS SOCSE SOCSE SOCSE SOCSO SOCS SOCSO S	37 1981-1989 1 2,698 Energy Com C 21,979 9,674	75 990-1999 20 6,652 PUC Lo 9,859 4,111 2,899	86 00-2004 69,495 cal				0 2,635 2	4 ,639 2,6	59 1 398 2,71	5 17 3 2,730	500 3,230	1,301 4,530	339 4,869											78,844
Comulative Total Total by Year Range POJE SICE SICE SICE SICE SICE SICE SICE SIC	37 1981-1989 1 2,698 Energy Com C 21,979 9,674	75 990-1999 20 6,652 PUC Lo 9,859 4,111 2,899	86 00-2004 69,495 cal				0 2,635 2	4 ,639 2,6	59 1 398 2,71	5 17 3 2,730	500 3,230	1,301 4,530	339 4,869											78,844
Comulative Total Total by Year Range POSE SOCS SOCSE SOCSE SOCSE SOCSO SOCS SOCSO S	37 1981-1989 1 2,698 Energy Com C 21,979 9,674 5,037	75 990-1999 20 6,852 PUC Lo 9,859 4,111 2,899 1,130	86 100-2004 69,495 ICAI 11,410 9,509 3,202	1,328	1,342	2,635		2,639 2,6	398 2,71	3 2,730	3,230	4,530	4,869	5,180	5,980	6,494	7,379	9,349	12,073	18,688	33,022	59,792	78,844	78,844
Comulative Total Total by Year Range PGAE SCE SCE SCE SCE SCOC SAUD LADVP The Rest of the State	37 1981-1989 1 2,698 Energy Com C 21,979 9,674 5,037	75 990-1999 20 6,652 PUC Lo 9,859 4,111 2,899 1,130	86 100-2004 69,495 Ical 11,410 9,509 3,202 1983	1,328	1,342	2,635	1987	1988 19	398 2,71 398 199	3 2,730	3,230	4,530	4,869	5,180	5,980	6,494	7,379	9,349	12,073	18,688	33,022	59,792	78,844	78,844
Comulative Total Total by Year Range PGAE SCE SSIGAG SIGAG SAUGU LADVIVP The Rest of the State Colfornia Energy Commission	37 1981-1989 1 2,698 Energy Com C 21,979 9,674 5,037	75 990-1999 20 6,852 PUC Lo 9,859 4,111 2,899 1,130	86 100-2004 69,495 ICAL 11,410 9,509 3,202	1,328	1,342	2,635	1987	1988 19	398 2,71 398 199 398 2,71	3 2,730	3,230	4,530 1993 4,530	4,869	5,180	5,980	6,494	7,379	9,349	12,073	18,688	33,022 2002 17,472 13,662	2003 22,041 25,935	2004 24,122 36,723	78,844
Comulative Total Total by Year Range POAE SCE SIGE SIGE SIGE SIGE LADIVE The Rest of the State The Rest of the State	37 1981-1989 1 2,698 Energy Com C 21,979 9,674 5,037 1981 37	75 990-1999 20 6,652 PUC Lo 9,859 4,111 2,899 1,130	86 100-2004 69,495 cal 11,410 9,509 3,202 1983 86	1,328 1984 1,328	1,342 1985 1,342	2,635 : 1986 2,635 :	1987 · · · · · · · · · · · · · · · · · · ·	1988 11 1639 2,6	398 2,71 398 199 398 2,71	3 2,730 3 2,730 3 2,730	3,230 1992 3,230	4,530 1993 4,530	4,869 1994 4,869	5,180 1995 5,180	5,980 1996 5,980	1997 6,494	7,379 1998 7,198	9,349 1999 8,549	2000 10,547	2001 13,127	33,022 2002 17,472	2003 22,041	78,844 2004 24,122	78,844
Comulative Total Total by Year Range PGAE PGAE SPCE SPCE SPCE SPCE SPCE SPCE SPCE SP	37 1981-1989 1 2,698 Energy Com C 21,979 9,674 5,037 1981 37	75 990-1999 20 6,652 PUC Lo 9,859 4,111 2,899 1,130	86 100-2004 69,495 cal 11,410 9,509 3,202 1983 86	1,328 1984 1,328	1,342 1985 1,342	2,635 : 1986 2,635 :	1987 · · · · · · · · · · · · · · · · · · ·	1988 11 1639 2,6	398 2,71 398 199 398 2,71	3 2,730 3 2,730 3 2,730	3,230 1992 3,230	4,530 1993 4,530	4,869 1994 4,869	5,180 1995 5,180	5,980 1996 5,980	1997 6,494	7,379 1998 7,198	9,349 1999 8,549	2000 10,547	2001 13,127	33,022 2002 17,472 13,662	2003 22,041 25,935	2004 24,122 36,723	78,844
Comulative Total Total by Year Range POSE SCE SCE SCE SCE SCE SCE SCE SCE SCE S	37 1981-1989 1 2,698 Energy Com C 21,979 9,674 5,037 1981 37	75 990-1999 20 6,852 PUC 9,859 4,111 2,899 1,130 1982 75 0 0	86 100-2004 69,495 cal 11,410 9,509 3,202 1983 86	1,328 1984 1,328	1,342 1985 1,342 0	2,635 : 1986 : 2,635 : 0 0	1987 · · · · · · · · · · · · · · · · · · ·	1988 11 1639 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 2,730 3 2,730	3,230 1992 3,230	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,844
Comulative Total Total by Year Range PGAE PGAE SPCE SPCE SPCE SPCE SPCE SPCE SPCE SP	37 1981-1989 1 2,698 Energy Com C 21,979 9,674 5,037	75 990-1999 20 6,652 PUC Lo 9,859 4,111 2,899 1,130	86 100-2004 69,495 11,410 9,509 3,202 1983 86 0 0	1,328 1984 1,328 0	1,342 1985 1,342 0	2,635 : 1986 2,635 :	1987	1988 11 1639 2,6	398 2,71 398 199 398 2,71 0	3 2,730 0 1991 3 2,730 0 0	3,230 1992 3,230 0	1993 4,530 0 0	1994 4,869 0 0	1995 5,180 0	1996 5,980 0	1997 6,494 0	7,379 1998 7,198 181 0	9,349 1999 8,549 800 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,662 1,889	2003 22,041 25,935 11,817	2004 24,122 36,723 17,999	78,844
Comulative Total Total by Year Range POSE SCE SCE SCE SCE SCE SCE SCE SCE SCE S	37 1981-1989 1 2,698 Energy Com C 21,979 9,674 5,037	75 990-1999 20 6,852 PUC 9,859 4,111 2,899 1,130 1982 75 0 0	86 100-2004 69,495 11,410 9,509 3,202 1983 86 0 0	1,328 1984 1,328 0 0	1,342 1985 1,342 0	1986 2,635 0 0	1987 1 2,635 2 0	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,844
Comutative Total Total by Year Range PGAE SCE SCE SCE SCE SCAC SAUD LADVP The Nest of the State The Rest of the State The Rest of the State California Public Utilities Commission California Public Utilities Commission	37 1981-1988 1 2,698 1 2,698 1 2,698 1 2,698 1 2,697 2 1981 37 0 0 0 2 2 2	75 990-1999 20 6,852 PUC Lo 9,859 4,111 2,899 1,130 1982 75 0 0 2 4	86 100-2004 69,495 cal 11,410 9,509 3,202 1983 86 0 0	1,328 1984 1,328 0 0	1,342 1985 1,342 0 0	1986 2,635 0 0 17 36	1987 - 2,635 2 0 0 0 36	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Camulative Total Total by Year Range PAGE SCE SCE SCE SCE SCE SCE SCE SUBJE The Rest of the State The Rest of the State The Rest of the State California Energy Commission California Pagin (Littles Commission California Pagin (Little	37 1981-1989 1 2,698 Energy Com C 21,979 9,674 5,037 1981 37 0 0	75 990-1999 20 6,652 PUC Lo 9,859 4,111 2,899 1,130 1982 75 0 0 2 4 1999 6,496	11,410 9,509 3,202 1983 86 0 0	1,328 1984 1,328 0 0 5 13	1,342 1985 1,342 0 0 6 19	1986 2,635 0 0 17 36	1987 2,635 2 0 0 0 36	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,844
Comutative Total Total by Year Range PGAE PGAE SCE SCES SCES SCES SCES SCES SCES SC	37 1981-1989 1 2,698 1 2,698 1 2,698 2 1,979 9,674 5,097 1 1981 37 0 0 0 2 2 2 1998 5,276 1811	75 990-1999 20 6,852 PUC 9,859 4,111 2,899 1,130 1982 75 0 0 0 2 4 1999 6,496 800	86 11,410 9,509 3,202 1983 86 0 0 4 4 8	1,328 1,328 1,328 0 0 5 13 2001 9,621 5,561	1,342 1985 1,342 0 0 6 19 2002 11,011 13,662	1986 2,635 : 0 0 17 36 2003 11,374 1 25,935 3	1987 2,635 2 0 0 0 36	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Comulative Total Total by Year Range PAGE SCE SCE SCE SCE SCE SCORE SCORE SCORE SCORE SAUD The Rest of the State California Energy Commission California Energy Commission California Energy Commission California Public Williams Commission California Public Williams Commission California Public Williams Commission California Public State Cameral Score California Public State Cameral Score Cam	37 1981-1989 1 2,698 Energy Com C 21,979 9,674 5,037 1981 37 0 0	75 990-1999 20 6,652 PUC Lo 9,859 4,111 2,899 1,130 1982 75 0 0 2 4 1999 6,496	11,410 9,509 3,202 1983 86 0 0	1,328 1984 1,328 0 0 5 13 2001 9,621 5,561 1,123	1,342 1985 1,342 0 0 6 19 2002 11,011 13,662 3,696	1986 2,635 : 0 0 17 36 2003 11,374 1 25,935 3	1987 2,635 2 0 0 0 36 2004 1,410 8,723	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Comutative Total Total by Year Range PGAE STOCK	37 1981-1989 1 2,698 Energy Com C 2,979 9,674 5,037	75 990-1999 20 6,652 PUC Lo 9,859 4,111 2,899 1,130 1982 755 0 0	86 00-2004 69,495 cal 11,410 9,509 3,202 1983 86 0 0 4 8 2000 7,942 1,526 534	1,328 1,328 1,328 0 0 5 13 2001 9,621 5,661 1,123	1,342 1985 1,342 0 0 6 19 2002 11,011 13,662 3,696	2,635 : 1986 2,635 : 0 0 17 36 2003 11,374 1 25,935 3 7,525 ! 11,817 11,817 11,817 11,817 11,817	1987 2,635 2 0 0 0 36 2004 1,410 8,723	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,844
Comutative Total Total by Year Range P.O.E. SCE. SCE. SCE. SCE. SCE. SCE. SCE. S	37 1981-1989 1 2.698 Energy Com C 21,979 9,674 5.037 1981 37 0 0 2 2 2 2	75 990-1999 20 6,6552 PUC Lo. 9,8599 4,111 2,899 1,130 1982 75 0 0 2 4 1999 6,496 800 800 800 800 800 800 800 80	86 100-2004 69,495 Incal 11,410 9,509 3,202 1983 86 0 0 0 7,942 1,526 534 0 153	1,328 1,328 1,328 1,328 0 0 5 13 2001 1,561 1,123 0 465	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Comulative Total Total by Year Range PGAE SCE SCE SCE SCE SCE SCE SCE SCE SCE SC	37 1981-1989 1 2.698 Energy Com C 21,979 9,674 5.037 1981 1981 37 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	75 990-1999 20 6,6552 PUC Lo. 9,8599 4,111 2,899 1,130 1982 75 0 0 2 4 1999 6,496 800 800 800 800 800 800 800 80	86 11,410 9,509 3,202 1983 86 0 0 0 2000 7,942 1,526 534 0 153 ccal	1,328 1,328 1,328 0 0 5 13 2001 9,621 5,561 1,123 0 465	1,342 1985 1,342 0 0 0 2002 11,011 13,682 3,898 1,889	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Comulative Total Total by Year Range PGAE SCE SCE SCE SCE SCE SCE SCE SCE SCE SC	37 1981-1989 1 2.698 Energy Com C 21,979 9,674 5.037 1981 37 0 0 2 2 2 1998 5.276 181 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	75 990-1999 20 6,852 PUC Lo 9,859 4,111 2,899 1,130 1982 75 0 0 0 2 4 1999 6,496 800 0 102 2 4 1999 6,986 800 102 2 9,859 1985 5,241	86 11,410 9,509 3,202 1983 86 0 0 0 2000 7,942 1,526 534 0 153 ccal	1,328 1,328 1,328 0 0 0 0 0 2001 1,123 2001 1,123 465 465 465 103,000	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Comutative Total Total by Year Range PGAE PGAE SICE SICE SICE SICE SICE SICE SICE SI	37 1981-1989 1 2.698 Energy Com C 21,979 5.677 5.037 1981 37 0 0 2 2 2 1998 5.276 181 0 0 4	75 990-1999 20 6,6552 PUC Lo. 9,859 4,111 2,899 1,130 1982 75 0 0 2 4 1999 6,496 6,900 102 0 03 33	86 00-2004 69,495 cal 11,410 9,509 3,202 1983 86 0 0 0 4 8 2000 7,942 1,526 534 0 0 153	1,328 1984 1,328 0 0 0 0 2001 1,23 13 2001 1,123 0,621 1,123 0,621 1,123 0,621 1,123 0,621 1,123 1,123 1,123 1,123 1,123 1,124 1,124 1,125	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Comulative Total Total by Year Range PGAE SCE SCE SCE SCE SCE SCE SCE SCE SCE SC	37 1981-1989 1 2.698 Energy Com C 21,979 9,674 5.037 1981 37 0 0 2 2 2 1998 5.276 181 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	75 990-1999 20 6,852 PUC Lo 9,859 4,111 2,899 1,130 1982 75 0 0 0 2 4 1999 6,496 800 0 102 2 4 1999 6,986 800 102 2 9,859 1985 5,241	99,495 11,410 9,509 3,202 1983 4 8 0 0 0 1,534 1,536 1 11,410 1,536 1 1,536 1 1,536 1 1,536 1 1,530 1 1,530 1 1 1,530	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Camulative Total Total by Year Range PGAE SCE SCE SCE SCE SCE SCE SCE SCE SCE S	37 1981-1989 1 2.698 Energy Corn 2.999 8.674 5.037 1981 37 7 0 0 0 0 2.999 9.674 5.037 0 0 0 0 Energy Corn 2.22 2.2 1568 5.276 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	75 990-1999 20 6,852 PUC Lo 9,859 4,111 2,899 1,130 1982 75 0 0 0 2 4 1999 6,496 800 0 102 2 4 1999 6,986 800 102 2 9,859 1985 5,241	86 11,410 11,410 9,509 3,202 1983 86 0 0 2000 7,942 1,526 534 0 153 ccal	1,328 1984 1,328 0 0 0 5 13 2001 1,123 0 2001 1,123 0 10 10 10 10 10 10 10 10 10 10 10 10 1	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Candative Total Total by Year Range CASE CASE SCE SCE SCE SCAE SCOC LADry The Rest of the State Calfornia Energy Commission Calfornia Parise (IMBRE Commission Calfornia Parise (IMBRE Commission Calfornia Parise (IMBRE Commission Candative Total Candative Total Candative Winstative Total Calfornia Candative Commission Calfornia Candative Total Calfornia Candative Calfornia Calfornia Candative Calfornia Calfornia Candative Calfornia Calfo	37 1981-1989 1 2.698 1 2.698 1 2.698 2 1970 9.674 5.037 1981 1981 0 0 2 2 2 1998 5.276 1811 0 0 4 Energy Com C 21,979 9.674 5.037	75 75 8,652 9,859 1,130 1982 1,130 1982 1,130 1982 4 1999 6,496 800 102 2 4 1999 6,496 800 102 9,859 5,241 2,999	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Camulative Total Total by Year Range PGAE SCE SCE SCGE SCGE SCGE SCGE SCGE SCGE	37 1981-1989 1 2,698 1 2,698 1 Energy Com C 21,979 9,674 5,037 19811 37 0 0 2 2 2 1098 5,276 5,276 5,276 181 0 0 0 1 2,979 5,037	75 90-1999 20 90-1999	99,495 11,410 9,509 3,202 1983 4 8 0 0 0 1,534 1,536 1 11,410 1,536 1 1,536 1 1,536 1 1,536 1 1,530 1 1,530 1 1 1,530	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Camulative Total Total by Year Range PGAE SOE SOCA SOCA SOCA SOLID SOLID SOLID SOLID Tan Rest of the State Per Best of the State Socamento Municipal Usility District Sociamento Municipal Usility District Socia	37 1981-1989 1 2-696 1980-1980 2 1980-1980 2 1980-1980 3 1981-1980	75 90-1999 20 6,652 PUC Lo 9,859 1,113 2,899 1,130 1982 75 0 0 2 4 4 1999 6,66 60 60 60 00 03 3 PUC Lo 033 PUC Lo 034 00 035 00 00 00 00 00 00 00 00 00 00 00 00 00	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Camulative Total Total by Year Range PGAE SCE SCE SCE SCE SCE SCOE SCOE SCOE SCO	1981-1989 Energy Com C 1981-1989 198	75 76 6.652 PUC Lo 9.859 4,111 2,899 1,130 1982 775 0 0 0 1982 4 4 1999 1,999	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Camulative Violet Total by Year Range POAE SCE SCE SCE SCAE SCE SCAE SCOID LADVIP The Rest of the State California Green's Commission Los Angeles Department of Videor and Power Los Angeles Department of Videor and Power The Rest of the State SCE SCE SCE SCE SCE SCE SCE SC	37 1981-1989 1 2,698 1 2,698 1 2,698 1 2,698 2 1981-1981 37 37 0 0 0 1981 37 0 0 0 Energy Com C 2,1979 9,674 5,037 1981 181 0 0 0 5,26 181 0 0 0 1986 5,27 1988 1 101 0 101 1988 1 101 101 101 101 101 101 101 101 101 1	75 90-1999 20 9-599 20 9-599 20 9-599 4,111 9-52 75 0 0 0 1982 24 1999 6-69 6-69 6-69 6-69 6-69 6-69 6-69	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Camulative Total Total by Year Range PGAE SDGAE SDGAE SDGAE SDGAE SDGAE SDGAE SAUD LADVIP The Rest of the State Total Cultonia Energy Commission Cultonia Padde Utilities Commission TOTAL Cumulative Total Cumulative Total Cumulative Total Cumulative Total Cultonia Padde Utility Suid Program: 1998 - 2003 Secrements Municipal Utility District Lan Angeles Department of Waler and Power Cultonia Padde Utilities Commission* The Rest of the Other PGAE SDGAE SDG	1981-1989 Energy Com C 1981-1989 198	75 76 6.652 PUC Lo 9.859 4,111 2,899 1,130 1982 775 0 0 0 1982 4 4 1999 1,999	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Camulative Total Total by Year Range PGAE SOE SOCIA SOCIA SOCIA SOCIA SOCIA SOLIC SOCIA SOLIC SOCIA SOLIC SOCIA SOLIC SOCIA The Rest of the State Social S	37 1981-1989 1 2-698 1 2-698 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	75 990-1999 20 9,859 9,859 4,111 9,859 4,111 1982 75 0 0 0 1982 75 0 0 0 1982 800 102 2 4 1999 6,496 800 102 2 800 102 103 33 6PUC Lo. 9,851 2,861 2,869 103,000 198,400 104 2,869 105 105 106 107 107 108 108 109 109 109 109 109 109 109 109 109 109	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Camulative Total Total by Year Range PGAE SCE SCE SCE SCE SCE SCOE SCOE LADVIP The Rest of the State California Public Utilities Commission California Public Utilities Commission Camulative RW Installed by Utility and Program. 1998 - 2003 Sear-memb Municipal Utility Detrict Camulative RW Installed by Utility and Program. 1998 - 2003 Sear-memb Municipal Utility Detrict Los Angoles Department of Water and Power Colfornia Public Utilities Commission* The Rest Colfornia Public Utilities Commission* The Rest Of the State SAUGE	37 1981-1989 1 2,696 2,696 21,979 6,7 6,7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	75 990-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999 20 999-1999-1999 20 999-1999-1999-1999-1999-1999-1999-1999	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Camulative Total Total by Year Range PGAE SCE SICE SICE SICE SICE SICE SICE SIC	1987 - 1989 - 19	75 959-1999 20 6,852 1	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Comutative Total Total by Year Range PGAE SCE SCE SCE SCE SCE SCE SCE SCE SCE SC	1997 1997 1997 1997 1997 1997 1997 1997	750 - 1997 20 -	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Comulative Total Total by Year Range PGAE SCE SDCAE SCE SDCAE SCE SDCAE SCH	1997. 1997.	750-1897-20 6-862-20 6-802-20 6-802-20 6-802-20 6-802-20 6-802-20 6-802-20	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944
Comutative Total Total by Year Range PGAE SCE SCE SCE SCE SCE SCE SCE SCE SCE SC	1997 1997 1997 1997 1997 1997 1997 1997	750 - 1997 20 -	96,995 99,995 11,410 9,509 3,202 1983 4 8 0 0 11,536 11,410 11,536 11,536 11,410 11,536 11,536	1,328 1984 1,328 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,342 1,985 1,342 0 0 0 2002 11,011 13,682 3,889 846	1986 2,635 0 0 17 36 2003 11,374 1 25,935 3 7,525 1 1,817 1 1,224	1987 2,635 2 0 0 0 36 2004 1,410 8,723 9,509 7,999	1988 19 1988 19 1989 2,6	398 2,71 398 199 398 2,71 0	3 2,730 3 1991 3 2,730 0 0 0 0	1992 3,230 0 0	1993 4,530 0 0	1994 4,869 0 0	5,180 1995 5,180 0	1996 5,980 0 0	1997 6,494 0 0	7,379 1998 7,198 181 0	1999 8,549 0 0	2000 10,547 1,526 0	2001 13,127 5,561 0	2002 17,472 13,689 2539	2003 22,041 25,935 11,817	2004 24,122 38,723 17,999	78,944

Grid-Connected PV Systems Installed in California

YEAR

	1981 1	1982 1	983 1	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total	
Program																										
Sacramento Municipal Utility District	0	0	0	1	0	1	0	0	0	0	0	6	56	124	113	62	17	37	211	134	306	0	68	12	1,148	
California Energy Commission*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	180	215	1,237	2,225	2,868	2,553	9,319	
Pacific Gas and Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	127	125	650	1,309	1,693	1,626	.,	5,557
Southern California Edison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	47	59	310	584	711	604		2,329
San Diego Gas and Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	31	275	332	457	323		1,424
Bear Valley Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	7	0		9
Los Angeles Department of Water and Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	3	115	231	127	16	504	504
California Public Utilities Commission*	•	•	•	•	•	•						•		•	•	•	•	•	•	•	0	15	77	75	167	
Pacific Gas and Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	47	40		96
Southern California Edison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	23	21		47
San Diego Gas and Electric ***Southern California Gas Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	14		22
Pre-1998	2	2	4	4	6	16	0	1	4	1	2	-3	-45	-118	-108	-52	-7	37	0	0	0	0	0	U	-254	-
City of Palo Alto Utilities	0	0	0	0	0	0	0	0	0	0	0	-3	-43	-110	-100	-52	-/	0	4	6	28	22	17	8	85	
City of Santa Clara Electric Utility	0	ő	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	4	1	· ·	17	
City of Pasadena Water and Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0			
City of Burbank Water and Power	ő	Ö	Ö	ő	Ö	Ö	0	Ö	0	0	ő	Ö	Ö	Ö	Ö	0	Ö	0	1	ő	Ö	2	Ö		3	
City of Anaheim Public Utilities	ō	ō	Ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	Ö	ō	ō	ō	0	1	7	11	11	4	34	
City of Redding Electric Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0	3	3	
City of Glendale Water and Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
City of Riverside Public Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	2	1	9	
City of Roseville Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	21		41	
Pacific Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0		3	
City of Alameda Power and Telecom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
City of Ukiah Public Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	8	
City of Lodi Electric Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
TOTAL Cumulative Total	2	2 4	4 8	5 13	6 19	17 36	0 36	1 37	4 41	1 42	2 44	3 47	11 58	6 64	5 69	10 79	10 89	115 204	408 612	360 972	1,707 2,679	2,539 5,218	3,197 8,415	2,672 11,087	11,087	
Culturative Total		-	0	13	19	30	30	31	41	42		41	30	04	09	15	03	204	012	512	2,019	3,210	0,413	11,007		
Sacramento Municipal Utility District	0	0	0	1	1	2	2	2	2	2	2	8	64	188	301	363	380	417	628	762	1,068	1,068	1,136	1,148	11,087	
California Energy Commission*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	221	436	1,673	3,898	6,766	9,319		
Pacific Gas and Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	154	279	929	2,238	3,931	5,557		
Southern California Edison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	61	120	430	1,014	1,725	2,329		
San Diego Gas and Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	37	312	644	1,101	1,424		
Bear Valley Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	9	9		
Los Angeles Department of Water and Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	15	130	361	488	504		
California Public Utilities Commission*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	92 56	167		
Pacific Gas and Electric Southern California Edison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	26	96 47		
San Diego Gas and Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	22		
***Southern California Gas Company	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	22		
Pre-1998	2	4	8	12	18	34	34	35	39	40	42	39	-6	-124	-232	-284	-291	-254	-254	-254	-254	-254	-254	-254		
City of Palo Alto Utilities	0	o .	0		0	0.	0.	0	0	.0		0	0		0	-0.	-0.	-0.	4	10	38	60	77	85		
City of Santa Clara Electric Utility	Ö	Ö	Ö	ő	Ö	0	0	ő	Ö	0	ő	Ö	Ö	Ö	Ö	Ö	0	Ö	Ö	1	12	16	17	17		
City of Pasadena Water and Power	ō	ō	ō	ō	ō	0	0	0	0	0	0	ō	ō	0	ō	0	0	0	ō	0	0	0	0	0		
City of Burbank Water and Power	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	Ō	ō	ō	ō	ō	ō	Ō	1	1	1	3	3	3		
City of Anaheim Public Utilities	ō	Ō	ō	ō	ō	ō	ō	ō	ō	ō	Ō	0	ō	ō	ō	ō	ō	ō	0	1	8	19	30	34		
City of Redding Electric Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
City of Glendale Water and Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
City of Riverside Public Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	8	9		
City of Roseville Electric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	41	41		
Pacific Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3		
City of Alameda Power and Telecom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
City of Ukiah Public Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	8		
City of Lodi Electric Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<u> </u>																										
Sacramento Municipal Utility District	0	0	0	1	1	2	2	2	2	2	2	8	64	188	301	363	380	417	628	762	1,068	1,068	1,136	1,148		
California Energy Commission*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	221	436	1,673	3,898	6,766	9,319		
Los Angeles Department of Water and Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	15	130	361	488	504		
California Public Utilities Commission*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 5	0	0	15	92	167	44 244	
The Rest of the State	0	0	U	U	U	0	0	0	0	0	0	0	0	0	U	0	U	0	5	13	62	130	187	203	11,341	

NOTES

Numerous utilities have not yet provided the data to determine how many systems were installed per year.

"Pre-1998" Row: These numbers were derived by subtracting the total number of systems installed by SMUD each year from the totals contained in Appendix A of the 2001 EPRI Report titled "California Renewable Technology Market and Benefits Assessment." In some years, there is a negative number. This obviously did not happen. To be consistent with the EPRI data, it was decided to keep the negative number rather than make more assumptions.